

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2005/004179

A. CLASSIFICATION OF SUBJECT MATTER

IPC: *F16K 7/17* (2006.01) , *F16K 31/126* (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: *F16K 7/17* (2006.01) , *F16K 31/126* (2006.01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used)

USPTO; WEST; Delphion; Canadian Patent Database; Search terms used: Combinations of: control valve, pressure actuated; responsive; Bosko, diaphragm, sprinkler valve; irrigation and, non-electric

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,210,310; KAY; 01 July 1980 (01.07.1980) Refer to entire document	Claims 1 to 7
X	US 5,083,742; WYLIE et al.; 28 January 1992 (28.01.1992) Refer to entire document	Claims 1 to 7

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

16 October 2006 (16-10-2006)

Date of mailing of the international search report

30 October 2006 (30-10-2006)

Name and mailing address of the ISA/CA
Canadian Intellectual Property Office
Place du Portage I, C114 - 1st Floor, Box PCT
50 Victoria Street
Gatineau, Quebec K1A 0C9
Facsimile No.: 001(819)953-2476

Authorized officer

Steven A. Menyhart, P.Eng
(819) 994-5348

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/IB2005/004179

<u>Patent Family</u>	<u>Published Date</u>	<u>Patent Family Members</u>	<u>Published Date</u>
US 4,210,310	01.07.1980	JP63042153B4	01.07.1980
		JP54075625A2	16.06.1979
		GB1595240A	12.08.1981
		DE2826538C2	12.11.1987
		DE2826538A1	31.05.1979
US 5,083,742	28.01.1992	US5197192	30.03.1993
		JP06066777A2	11.03.1994
		JP03122491B2	09.01.2001
		EP0469913B1	07.06.1995
		EP0469913A1	05.02.1992
		DE69110209T2	07.03.1996
		DE69110209C0	13.07.1995